

DERWENT-ACC- 2001-352647  
NO:

DERWENT-WEEK: 200159

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TITLE: Method of preparing granular nitrogen phosphate  
fertilizer

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**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
RU 2165912 C1	April 27, 2001	N/A	000	C05G 003/04

**APPLICATION-DATA:**

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
RU 2165912C1	N/A	2000RU-0113426	May 19, 2000

INT-CL (IPC): B01J002/00, C05B019/00 , C05G003/04

ABSTRACTED-PUB-NO: RU 2165912C

**BASIC-ABSTRACT:**

NOVELTY - Method of preparing granular fertilizer based on neutralization of phosphoric acid or phosphoric and sulfuric acids with ammonia is carried out by feeding pulp into zeolite granulation and product drying apparatus.

DETAILED DESCRIPTION - Method of preparing granular fertilizer based on neutralization of phosphoric acid or phosphoric and sulfuric acids with ammonia is carried out by feeding pulp into zeolite granulation

and product drying apparatus. In this case, 0.1-3 mm fraction zeolite is introduced without preheating into recycle feeding system, and recycle- zeolite mixture is fed into granulation apparatus at zeolite to pump ratio of (0.1-1):1. The method is more efficient and is simple due to reduction of fuel and energy consumption, the need for less equipment, the addition of a smaller amount of zeolite and the use of the finest fraction of zeolite.

USE - In agriculture, in the preparation of mineral fertilizer, e. g. ammophos, sulfoammophos and diamphos with zeolite.

ADVANTAGE - The preparation method is more efficient.

CHOSEN- Dwg.1/1  
DRAWING:

TITLE-TERMS: METHOD PREPARATION GRANULE NITROGEN PHOSPHATE  
FERTILISER

DERWENT-CLASS: C04

CPI-CODES: C05-B02A4; C05-C05; C12-M11D; C14-T03;

UNLINKED-DERWENT- ; 1714P ; 1714U ; 1731P ; 1731U ; 1787P ;  
REGISTRY-NUMBERS: 1787U ; 1913P ; 1913U

SECONDARY-ACC-NO:

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TI Method of preparing granulated nitrogen phosphorus **fertilizer**

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SO Russ., No pp. given

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DT Patent

LA Russian

FAN.CNT 1

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<u>PI RU 2165912</u>	C1	20010427	<u>RU 2000-113426</u>	20000519
<u>PRAI RU 2000-113426</u>		20000519		

AB Prepn. of granular nitrogen phosphate **fertilizer**, such as ammophos, sulfoammophos, diamphos and nitroammophos, by neutralization of phosphoric acid or phosphoric and sulfuric acids with ammonia is carried out by feeding the pulp into an app. of **zeolite** granulation and drying. The 0.1-3 mm fraction of **zeolite** is introduced without preheating into the recycle feeding system, and the recycle- **zeolite** mixt. is fed into the granulation app. at **zeolite** to pump ratio of (0.1-1):1.